Project Audit

Project:

Green Chart

March 01, 2022

Overview

This audit has been prepared for **Green Chart** to review the main aspects of the project to help investors make make an informative decision in the research process.

You will find a a summarized review of the following main key point:

- Contract's source code
- Project and team
- Website
- Social media & online presence

NOTE: We ONLY consider a project safe if they receive our "Certificate of Trust" NFT. This report only points out any potential red flags found in our analysis. Always do your own research before investing in a project.

Smart Contract Review

The contract review process pays special attention to the following:

- Testing the smart contracts against both common and uncommon vulnerabilities
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Ensuring contract logic meets the specifications and intentions of the client.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- Thorough line-by-line manual review of the entire codebase by industry experts.

"The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal"
- SpyWolf Team

Smart Contract Summary

Contract Name	GreenChart
Ticker	GREEN
Contract	0x7403802c0FFeE2d83FB13513e23aAF4a3a9C69f0
Network	Binance Smart Chain
Language	Solidity
Tax	No tax
Total Supply	100,000,000,000
Status	Not launched yet

Current stats

Burn	16.4% of total supply
LP Address	Liquidity not added yet
MaxTxAmount	0

Smart Contract Statistics

Transfer Count	6587
Uniq Senders	3
Uniq Receivers	6546
Total Amount	229111862511 GREEN
Median Transfer Amount	489750 GREEN
Average Transfer Amount	34782429 GREEN
First transfer date	2022-02-24
Last transfer date	2022-02-27
Days tokens Transfer	4

Issues Checking Status

Design Logic	**Passed ✓**
Compiler warnings.	**Passed ✓**
Private user data leaks	**Passed ✓**
Timestamp dependence	**Passed ✓**
Integer Overflow and Underflow	**Passed ✓**
Race conditions and Reentrancy. Cross-function race conditions	**Passed ✓**
Possible delays in data delivery	**Passed ✓**
Oracle calls	**Passed ✓**
Front running	**Passed ✓**
DoS with Revert	**Passed ✓**
DoS with block gas limit	**Passed ✓**
Methods execution permissions	**Passed ✓**
Economy model	**Passed ✓**
The impact of the exchange rate on the logic	**Passed ✓**
Malicious Event log	**Passed ✓**
Scoping and Declarations	**Passed ✓**
Uninitialized storage pointers	**Passed ✓**
Arithmetic accuracy	**Passed ✓**
Cross-function race conditions	**Passed ✓**
Safe Zeppelin module	**Passed ✓**
Fallback function security	**Passed ✓**

Featured Wallets

Owner address	0xD64e15d17b7e667Fa62371c42727809FE97fEAbA
BuyBack Wallet	0xFd1c44dC0195fe13F6Dc07014Ec523c497ce55CB
Marketing Wallet	0x551db7E224e34609Df48F2414DDF2118A9EfAa3e
Team Wallet	0x4e8fC9e69800B22a0c223D86bc3AaB73330Ca589
LP token address	Liquidity not added yet

Top 3 Unlocked Wallets

Wallet 1 (26.89%) ⚠️	Same as owner
Wallet 2 (1.41%)	0x732546b68cd778c30d6a9ba3ce6d33f979e8e73f
Wallet 2 (0.98%)	0x14a2f73d379720e1ef05da930dcad6fb48d4573a

Tokenomics

Current State ⚠️

Migration in process as follows:

- Owners of the previous contract stopped the trading and requested all current holders to send their tokens to address: 0x1f0d867ec32d0079573aa674435C5b55Db5Fc32d

- From team claims, this way they can drain the liquidity (which is locked) from old token by selling the sent tokens and add the funds to liquidity pool for the new token version.

- Tokens from the new contract will be sent to all holders at 1:1 ratio.

Security Threads

Owner can disable trading, making it impossible to sell ⚠️

```solidity
function switchMarketActive(bool _state) external onlyOwner {
    marketActive = _state;
    if(_state) {
        marketActiveAt = block.timestamp;
    }
}
```

Owner can change max transaction limit

```solidity
function setMaxSellTxAmount(uint _value) external onlyOwner {
    require(_value >= ( total_supply * 1 /1000) /(10**decimals()), "MaxSell Tx too low");
    maxSellTxAmount = _value*10**decimals();
}
function setMaxBuyTxAmount(uint _value) external onlyOwner {
    require(_value >= ( total_supply * 1 /1000) /(10**decimals()), "MaxBuy Tx too low");
    maxBuyTxAmount = _value*10**decimals();
}
```

Owner can change buy/sell fees up to 100% ⚠️

```solidity
function setFee(bool is_buy, uint marketing, uint team, uint buyback) public onlyOwner {
    if(is_buy) {
        buyTeamFee = team;
        buyMarketingFee = marketing;
        buyBuybackFee = buyback;
        totalBuyFee = buyMarketingFee + buyTeamFee + buyBuybackFee;
    } else {
        sellTeamFee = team;
        sellMarketingFee = marketing;
        sellBuybackFee = buyback;
        totalSellFee = sellMarketingFee + sellTeamFee + sellBuybackFee;
    }
}
```

Green Chart Project & Team Review

According to their roadmap, Green Chart have set goals for staking platform, cross network bridges and mobile wallet app. The current completed goal from their roadmap is staking platform, where holders can stake $GREEN tokens and receive compounded rewards.

Team:

- KYC by SpyWolf

SpyWolf

KYC
CERTIFICATE

This is to certify that

GREEN CHART

Has passed the KYC verification process on

February 27, 2022

KYC CERTIFICATE
VERIFIED BY SPYWOLF

SpyWolf.Network

Website Analysis

URL: https://www.green-chart.com

- **Design:** Nice design and color scheme. Goes with the brand.

- **Content:** Informative, well structured, no grammar mistakes.

- **Whitepaper:** Current whitepaper has previous devs. ⚠️

- **Roadmap:** No roadmap on website yet. ⚠️

- **Mobile-friendly?** Yes

- **Technical:** SSL certificate present. General SEO check passed.

green-chart.com

Social Media & Online Presence

Telegram

https://t.me/greenchartbsc

—13 354 members

- Active members

- Active mods

Twitter

https://twitter.com/greenchartbsc

- 6 939 Followers

- Not very active, last tweet 2022.02.20 ⚠️

About SpyWolf

SpyWolf is a team of crypto security experts that have been performing full audits for projects for the past months in order to ensure safety on the crypto space. Our goal is to help eliminate monetary fraud through our auditing services and utility token, $SPY.

▶ Website: SpyWolf.co

▶ Portal: SpyWolf.network

▶ Telegram: @SpyWolfNework

▶ Twitter: Twitter.com/SpyWolfNetwork

(Sample Certificate NFT for those who pass audit)

If you are interested in finding out more about our audits and Certificate of Trust NFTs, reach out to contact@spywolf.co.

Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.